BY ORDER OF   **AFI 11-2C-17V3 ADDENDA B CL-1**
THE SECRETARY OF THE AIR FORCE
                                             1 April 2001

Flying Operations

C-17 PILOT SOLL II

BRIEFING GUIDES AND CHECKLISTS

       This checklist establishes procedures for the operation of C-17 aircraft employed by the Mobility Air Forces (MAF) to accomplish their worldwide missions.

This checklist complements AFI 11-2C-17V3 Addenda B, *C-17 Special Operations Low Level (SOLL) II Procedures*, and is printed on standard 8½" x11" bond paper then trimmed to a unique size (4 ½" x 11") that will fit standard C-17 aircrew checklist binders. Units may request copy of this checklist printed on a water proof based media from the OPR. Printed copies are limited to aircrew for use in-flight and training purposes only.

MISSION BRIEFING GUIDE

The aircraft commander will ensure all aircrew members receive this briefing prior to each mission. Brief only applicable items.

1. Mission overview (Time Hack)
2. Mission Profile
   a. Team/Chalk Number
   b. Itinerary/Sequence of Events
   c. NOTAMS
3. Weather
   a. Moon Illumination
   b. Enroute
   c. Terminal
   d. Recovery
4. Communications
   a. Call Sign
   b. Interphone/Radio Discipline
   c. Jumpseat Radio Duties
   d. Authentication, COMSEC, OPSEC
   e. IFF/SIF Procedures
   f. Emitter Control Procedures
   g. Airborne Support Packages
5. Intelligence, Threat, Security Profile
   a. Threat/Hazards
   b. Classified Material
   c. Special Security Requirements
6. Aircraft Preparation/Configuration
   a. Passenger, Cargo, Fuel
   b. Cockpit Preparation
   c. Cargo Compartment Preparation
   d. Exterior Configuration
   e. Personal Equipment
7. NVG Operations
   a. NVG Use
   b. Aircraft Lighting
   c. Crew Coordination
   d. Jumpseat Pilot Duties
   e. Objective Area Configuration/Identification
8. Departure and Ingress
   a. Times: Station, Engine Start, Taxi, Control Point(s), TOT/TOA
   b. Taxi Plan
   c. Departure Procedures
   d. Combat Entry Point/Checklist

9. Objective Area and Escape
    a. Airdrop

    b. Airland

    c. Return Route of Flight

10. Hot Refueling Information

11. Emergency Procedure

    a. Aborts: Aircraft/Mission

    b. NVG Failure

    c. Aircraft Egress

    d. Emergency Safe Altitude

12. Evasion and Escape

    a. USAF Selected Areas

    b. Destruction of Classified Material/Equipment

13. Loadmaster-User Coordination

    a. In-flight Warnings/Procedures

    b. Visual and Verbal Signals

    c. Opening of Aircraft Doors

    d. Onload-Offload Procedures

    e. Ground Plan

JOINT MISSION BRIEFING GUIDE

Conduct this briefing with the user prior to mission execution. This is normally done during the time the crew and team are in isolation.

1. Mission Overview

    a. Team/Platoon Number

    b. Mission Number/Call Sign/Chock Number

    c. Mission Purpose

    d. TOT/TOA

2. Infil and Load Information

    a. Number of Troops/Type of Equipment

    b. Load Plan and Rigging Requirements

    c. Special Requirements (i.e. Security)

    d. Aircraft location

3. Enroute

    a. Flight Time

    b. Threat Assessment

    c. Route of Flight, Terrain, Go/No-Go Point, Copy of Flight Route

    d. Weather Forecast

4. Objective Area

    a. Primary/Alternate DZ/LZ

    b. Hazards/Threat

    c. Ground Plan (Infil/Exfil Point)

    d. User Specific Requirements (i.e. Time Advisories)

5. Escape and Evasion

    a. USAF Selected Area for Evasion

    b. Point of No Return

    c. Destruction of Classified Material

6. Exfil

    a. Number of Troops/Type of Equipment

    b. Load Plan

    c. Special Requirements

    d. Aircraft Location

HOT REFUELING BRIEFING GUIDE

The crew briefing should be completed prior to arrival at the refueling area.

1. Designate HRS(s), SPRM, HDPs

2. Position of Aircraft

    a. Taxi and Parking Plan

    b. Escape Route

    c. Emergency Assembly Area

3. FARP Layout

4. Receiver Aircraft

    a. Type of Receiver(s)

    b. Flow of Receiver(s)

    c. Planned Offload

5. Minimum Fuel for Mission Completion

6. Aircraft Configuration

7. Emergency Signals

    a. Aircraft Evacuation

AIRDROP CHECKLISTS

CABIN ALTITUDE CHECKLIST

Accomplish this checklist prior to exceeding a cabin altitude of 10,000 feet MSL. The "OXYGEN CHECK" step of the checklist will be accomplished at a cabin altitude of 10,000 and 15,000 feet. At a cabin altitude of 20,000 feet, this step will be accomplished every 15 minutes or with each 5,000 foot increase in altitude, whichever is first, and will be accomplished every 5 minutes above 30,000 feet. The PF initiates the Cabin Altitude Checklist.

1. "CREW, CABIN ALTITUDE CHECKLIST" (PF)
    "ACKNOWLEDGED" (PNF, JS, LM1, LM2)

2. Cabin Press Panel- "SET" (PF, PNF)

3. Oxygen Check- "COMPLETE" (PNF, PF, JS, LM1, LM2)

    a. Mask- Fitted

    b. Regulator- On/Set/Pressure

    c. Mask/Hose- Connections

4. Loadmaster's Report- "CHECKS COMPLETED" (LM1, LM2)

5. Cabin Altitude Checklist- "COMPLETE" (JS)

PRE-SLOWDOWN CHECKLIST

1. "CREW, PRE-SLOWDOWN CHECKLIST" (PF)
   "ACKNOWLEDGED" (PNF, JS, LM1, LM2)

2. LM Panel Power-ON (PNF/JS)

3. Door Arming Switch- As Required (PNF/JS)

4. Red Light- ON (PNF/JS)

5. ADS Mode Switch- SET (PNF/JS)

6. Cabin PRESS Panel- "SET" (PNF)

7. NAV Solution- CHECKED (PNF/JS)

8. BCN or ZM- SET (PNF/JS)

9. DZ Baro-SET (PNF/JS)

10. Flap Detent/Index- "___ FLAP, ___ INDEX" (PNF/JS)

11. Altimeters- "SET, __" (PNF, PF)

12. Airdrop Display- "SET" (PF)

13. "DROP GROUP SELECT" (PNF/JS) (Heavy Equipment only)
    - "SET ___/___" (LM1)

14. Loadmaster's Report- "CHECK COMPLETED" (LM1, LM2)

15. Pre-Slowdown Checklist- "COMPLETED" (PNF/JS)

SLOWDOWN CHECKLIST

1. "CREW, SLOWDOWN CHECKLIST" (PF) – "ACKNOWLEDGED" (PNF, JS, LM1, LM2)

2. Slats/Flaps- "SLATS EXTENDED, FLAPS ONE HALF, INDEX _____" (PNF)

3. Thrust Setting- "SET" (PNF)

4. Doors- "CLEAR TO OPEN" (PNF/JS)

5. AFCS Panel – "SET FOR AIRDROP" (PF)

6. ALT/XTRK- Set (PNF/JS)

7. Doors- Open (PNF/JS)

8. ADS ARM Annunciator- Illuminated (PNF/JS)

9. Loadmaster's Report- "CHECK COMPLETED" (LM1, LM2)

10. Final Flaps- "FLAPS SET _____" (PNF)

11. Slowdown Checklist- "COMPLETED" (PNF/JS)

RELEASE POINT CHECKLIST

1. "STANDBY DROGUE" or "STANDBY READY LIGHT" (PNF)

2. Pilots ADS Panel- "DROGUE DEPLOYED" or "READY LIGHT ON" (PNF)

   a. Ready/Drogue Switchlight- ACTIVATED (PNF)

   b. RED LT Switchlight- EXTINGUISHED (PNF)

3. Status of Drogue (Heavy Equipment only)- "DROGUE OK" or "MALFUNCTION" (LM2)

4. "FIVE, FOUR, THREE, TWO, ONE, GREEN LIGHT" (MC/PNF)

5. Green Light- On (PNF)

   a. AUTO mode airdrop- Green Light Confirmed (PNF)

   b. MANUAL mode airdrop- Green Light Activated (PNF)

6. Airdrop Condition- "LOAD CLEAR" or "MALFUNCTION" (LM1)

7. Red Light – "On" (MC/PNF)

POST DROP CHECKLIST

*Items marked with an asterisk are re-accomplished for racetracks.

*1. SKE XTRK- Set (PNF/JS)

*2. NAV SEL SW/AFCS Panel- Set (PNF)

3. "RAMP AND DOOR(S) CLOSED" (PNF/JS) (As Required)

4. Air Deflector(s)- "CLOSED" (LM1) (Paratroop door drops only)

5. Mission Computer- Updated (JS)

   a. Drop Complete (WT/CG)

   b. Next TOT- FIX

6. Loadmaster's HALO Safety Check- "COMPLETE"
    (As Required) (LM1)

7. Cabin PRESS Panel- "SET" (PNF)

8. Loadmaster's Report- "CHECK COMPLETED" (LM1, LM2)

*9. Slats/Flaps- "AS REQUIRED" (PF)

10. Thrust Rating- "SET" (PNF)

11. Air Drop Display- "SET" (PF)

12. DOOR SYS ARM Switchlight- OFF (PNF/JS)

13. LM Power Panel- SET (PNF/JS)

14. Red Light- OFF (PNF/JS)

*15. "POST DROP CHECKLIST COMPLETE" (PNF/JS)

JUMP PILOT CHECKLIST

1. "CREW, JUMP PILOT CHECKLIST" (PF)
   "ACKNOWLEDGED" (LM1, LM2)

2. Slats/Flaps – "AS REQUIRED" (PF)

3. "RAMP AND DOOR CLOSED" (PNF/JS)

4. DOOR SYS ARM Switchlight – OFF (PNF/JS)

5. Mission Computer Data – UPDATED (JS)

6. Flap Detent/Index – " ___ FLAP, ___ INDEX" (PNF/JS)

7. Door(s) – OPEN (PNF/JS)

8. ADS ARM Annunciator – Illuminated (PNF/JS)

9. Final Flaps– "FLAPS SET _____ " (PNF)

10. "ONE MINUTE" (MC/JS)

JUMP PILOT RELEASE POINT CHECKLIST

1. "STANDBY READY LIGHT" (PNF)

2. Pilots ADS Panel – "READY LIGHT ON" (PNF)

   a. Ready/Drogue Switchlight – ACTIVATED (PNF)

   b. RED LT Switchlight – EXTINGUISHED (PNF)

3. "FIVE, FOUR, THREE, TWO, ONE GREEN LIGHT" (MC/PNF)

4. Green Light – On (PNF)

   a. AUTO mode airdrop – Green Light Confirmed (PNF)

   b. MANUAL mode airdrop- Green Light Activated (PNF)

5. Airdrop Condition – "LOAD CLEAR" or "MALFUNCTION" (LM1)

6. Red Light – "On" (MC/PNF)

JUMP PILOT POST DROP CHECKLIST

1. Air Deflector(s) – "CLOSED" (LM1)

2. Mission Computer – UPDATED (JS)
   a. Drop Complete (WT/CG)
   b. Next TOT – FIX

3. Cabin PRESS Panel – "SET" (PNF)

4. Loadmaster's Report – "CHECK COMPLETED" (LM1, LM2)

5. Slats/Flaps – "AS REQUIRED" (PF)

6. Thrust Rating – "SET" (PNF)

7. Air Drop Display – "SET" (PF)

8. LM Panel Power – SET (PNF/JS)

9. Red Light – OFF (PNF/JS)

10. Jump Pilot Checklist – "COMPLETE" (PNF/JS)

ADVISORY CHECKLISTS

SIXTY MINUTES

1. "SIXTY MINUTES" (JS)
    "ACKNOWLEDGED" (LM1, LM2)

THIRTY MINUTES

1. "THIRTY MINUTES" (JS)
    "ACKNOWLEDGED" (LM1, LM2)

TWENTY MINUTES

1. "TWENTY MINUTES" (JS)
    "ACKNOWLEDGED" (LM1, LM2)

TEN MINUTES

1. "TEN MINUTES" (JS)
    "ACKNOWLEDGED" (LM1, LM2)

SIX MINUTES

1. "SIX MINUTES" (JS)
    "ACKNOWLEDGED" (LM1, LM2)

2. Pressurization – Depressurized (JS)

ONE MINUTE

1. "TWO MILES" (JS)

OPERATIONAL STOP CHECKLIST

1. "80 KNOTS" (JS)

2. Flaps/Slats – "UP/RET" (PNF)

3. Spoiler Switch – "DEARMED" (PNF)

4. RADAR – OFF/STBY (JS)

5. Defensive Systems – SAFE (JS)

6. Parking Brakes – "ON, CLEAR TO ON/OFFLOAD" (PF)

<div align="center">or</div>

Parking Brakes – "ON, CLEAR TO ON/OFFLOAD, CREW,
PRE-HOT REFUELING CHECKLIST" (PF)

<div align="center">or</div>

Parking Brakes – "ON, CREW, COMBAT OFFLOAD CHECKLIST" (PF)

* If the engines are to be shutdown, complete the asterisk items.

*7. PROBE Heat Switchlights – "OFF" (CP)

*8. ANTI ICE Panel – "OFF" (CP)

*9. DC X TIE Switch – "TIE" (P)

*10. APU/External Power – AS REQUIRED (JS)

*11. FCS ACTR Panel Switches – "FULL MECH/MECH/OFF" (P)

*12. ENV Panel – "SET" (P)

*13. ENG SHUTOFF Switches – "OFF" (P)

*14. HYD Pumps – "OFF" (P)

*15. Fuel Panel – "SET" (P)

*16. FUEL USED Pushbutton – "RESET" (P)

*17. Standby Engine Sel Switch – "N2" (CP)

*18. Bleed Air Supply Press – "CHECKED" (P)

*19. Engines – Start (P)

*20. ENV Panel – "SET" (P)

*21. ENG ANTI ICE – "AS REQUIRED" (CP)

*22. PROBE Heat Switchlights – "ON" (CP)

*23. DC X TIE Switch – "AUTO" (P)

*24. HYD XFER Pump – "AUTO" (P)

*25. FCS ACTR Panel Switches – "EFCS" (P)

*26. EFCS Reset Pushbutton – "PRESSED" (P)

*27. APU – "OFF" (P)

OPERATIONAL STOP CHECKLIST
Continued

28. Mission Computer Data – "CHECKED" (P, CP, JS)

    a. Verify present position

    b. Verify flight plan data (AR, airdrop, MC approach, etc.)

    c. Verify TOLD

    d. Update SKE (if required)

    e. IRUs – Set

    f. MCD/MSG Status – Checked

29. "CLEAR TO TAXI" (LM1)

30. TOGA Mode – "ENGAGED" (PF)

31. Thrust Rating – "SET " (PNF)

32. Flap Index – "SET _____ " (PNF)

33. Stabilizer, Rudder, and Aileron Trim – " _____ DEGREES, 0, 0"   (P, CP)

34. Pressurization – "SET" (P)

35. Crew Briefing – "COMPLETE" (PF)

36. Spoiler Switch – "ARM" (PNF)

37. Radar – As Required (JS)

38. WAP – "CHECKED" (P, CP)

39. Loadmaster's Report – "CHECK COMPLETED" (LM 2)

40. Operational Stop Checklist – "COMPLETED" (JS)

HOT REFUELING CHECKLISTS

PRE-HOT REFUELING CHECKLIST

1. Brake Temperatures – "CHECKED" (CP)

2. Interior Equipment – Set (CP)

   a. EMCON Pushbutton – Pressed

   b. Radios – As Required

3. FARP Equipment – "POSITIONED" (HRS)

4. Refueling Nozzle(s) – "CONNECTED AND CHECKED; FWD or AFT or BOTH" (PO)

5. Separation Valve – As Required (CP)

6. X-FEED Valves – OPEN (CP)

7. Left and/or Right Ground Refuel Valve(s) – "OPENED" (CP)

8. Leak Check – "COMPLETED" (HRS, PO)

9. Refueling Nozzle(s) – "CONNECTED AND CHECKED; FWD or AFT or BOTH" (PO)

10. Left and/or Right Ground Refuel Valve(s) – "CLOSED" (CP)

11. Separation Valve – As Required (CP)

12. Pre-Hot Refueling Checklist – "COMPLETED" (CP, HRS, PO,)

HOT REFUELING CHECKLIST

1. "RECEIVERS READY" (HRS)

2. Left and/or Right Ground Refuel Valve(s) – "OPENED" (CP)

3. "REFUELING COMPLETE" (HRS)

4. Left and/or Right Ground Refuel Valve(s) – "CLOSED" (CP)

5. Hot Refueling Checklist – "COMPLETED" (CP, HRS, PO)

POST HOT REFUELING CHECKLIST

1. "CREW, POST HOT REFUELING CHECKLIST" –
   "ACKNOWLEDGED" (HRS, PO)

2. X-FEED Valves – CLOSE (CP)

3. Refueling Nozzle(s) – "CONNECTED AND CHECKED; FWD
   or AFT or BOTH" (PO)

4. Left and/or Right Ground Refuel Valve(s) – OPEN (CP)

5. Separation Valve – As Required (CP)

6. Fuel Fill Valves 2 and/or 3 – OPEN (CP)

7. External Pump – "OFF" (PO)

8. Left and/or Right Ground Refuel Valve(s) – CLOSE (CP)

9. Separation Valve – CLOSE (CP)

10. Fuel Fill Valves 2 and/or 3 – CLOSE (CP)

11. Interior Equipment – SET (CP)
    a. Emitter Control Pages 1/2 – As Required
    b. IFF – As Required
    c. TACAN/DME – As Required
    d. Radios – As Required

12. Post Hot Refueling Checklist – "COMPLETED" (CP, PO)

HOT REFUELING EMERGENCY PROCEDURES

FUEL LEAK/SPILL

1. "CREW, FUEL LEAK/SPILL CHECKLIST" (Any Crewmember)

2. Ground Refuel Valve(s) – "CLOSED" (CP)

3. Refuel Nozzle(s) – "SHUTDOWN" (PO)

4. Controlling Agency –   "NOTIFIED" (As Required) (P)

5. FAM Cart – "SET" (HRS)

6. Fuel Leak/Spill – "CONTAINED" (HRS)

7. Fuel Leak/Spill Checklist – "COMPLETED" (CP)

FIRE/SPARKS

1. "CREW, FIRE/SPARKS CHECKLIST" (Any Crewmember)

2. Ground Refuel Valve(s) – "CLOSED" (CP)

3. Refuel Nozzle(s) – "SHUTDOWN" (PO)

4. Controlling Agency – "NOTIFIED" (As Required) (P)

5. FAM Cart – "SET" (HRS)

6. Fire/Sparks – "CONTAINED" (HRS)

7. Fire/Sparks Checklist – "COMPLETED" (CP)

HOT REFUELING EMERGENCY PROCEDURES

AIRCRAFT EVACUATION

1. "CREW, AIRCREW EVACUATION CHECKLIST" (P)
2. Ground Refuel Valve(s) – "CLOSED" (CP)
3. Refuel Nozzle(s) – "SHUTDOWN" (PO)
4. FAM Cart – "SET" (HRS)
5. Throttles – "IDLE" (P)
6. Parking Brakes – "ON" (P)
7. Controlling Agency –   "NOTIFIED" (As Required) (P)
8. Ground Exits – "AS REQUIRED" (P)
9. ENG SHUT OFF Switches – "OFF" (P)
10. APU – "OFF" (P)
11. EXT PWR – "OFF" (P)
12. Crew/Passenger/Auxiliary Oxygen Systems – As Required (CP, JS)
13. Troops/Crew – "EVACUATE" (P)
14. IRUs – "OFF" (CP, P)
15. BATT Switch – "OFF" (P)
16. Aircrew Evacuation Checklist – "COMPLETED (P, CP)

AIRCAFT TAXI

1. "CREW, AIRCRAFT TAXI CHECKLIST" – (P)
2. Ground Refuel Valve(s) – "CLOSED" (CP)
3. Refuel Nozzle(s) – "DISCONNECTED" (PO)
4. Controlling Agency –   "NOTIFIED" (As Required) (P)
5. FAM Cart – "SET" (HRS)
6. Taxi Clearance – "CLEAR TO TAXI" (PO)
7. Aircraft Taxi Checklist – "COMPLETED" (CP)

HOT REFUELING EMERGENCY PROCEDURES

MISCELLANEOUS EMERGENCY PROCEDURES

FUEL SPRAY IN EYES

1. Flush with water.

2. Continue irrigation as long as burning persists.

3. Seek medical assistance immediately.

INDIVIDUAL SPRAYED WITH FUEL

1. Flush individual with large quantities of water and soap.

2. Remove all contaminated clothing.

3. Continue irrigation of individual as long as burning sensation persists.

4. Seek medical assistance immediately.

INDIVIDUAL OVERCOME BY FUMES

1. Take individual to aircraft and place on oxygen.

2. Seek medical assistance immediately.

FUEL SERVICING SAFETY ZONE VIOLATION

1. Ground Refuel Valve(s) – "CLOSED" (CP)

2. Refuel Nozzle(s) – "SHUTDOWN" (PO)

HOSE RUPTURE

1. Complete FUEL LEAK/SPILL Checklist

2. Replace/repair hose

FAM CART FAILURE

1. Ground Refuel Valve(s) – "CLOSED" (CP)

2. Refuel Nozzle(s) – "SHUTDOWN" (PO)

3. FAM Cart – "SET" (HRS)

4. T, X, Y Assembly – "Installed" (As Required) (HRS)

RECEIVER SPR INOPERATIVE

1. Replace refuel nozzle connected to receiver.

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